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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/710,494	07/15/2004	Sharon A. Free	00124-01080-US 4493		
23416 CONNOLLY F	7590 03/01/2007 BOVE LODGE & HUT	EXAMINER			
P O BOX 2207	1	HWU, DAVIS D			
WILMINGTO	N, DE 19899	ART UNIT	PAPER NUMBER		
	,	3752			
SHORTENED STATUTOR	RY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE		
3 MO	NTHS	03/01/2007	PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	<u> </u>	-1-:								
		Application	n No.	Applicant(s)	_					
		10/710,494	4	FREE ET AL.						
	Office Action Summary	Examiner		Art Unit						
		Davis D. H		3752						
	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply									
WHIC - Exter after - If NO - Failu Any r	ORTENED STATUTORY PERIOD F CHEVER IS LONGER, FROM THE M nsions of time may be available under the provisions SIX (6) MONTHS from the mailing date of this comm period for reply is specified above, the maximum stare to reply within the set or extended period for reply reply received by the Office later than three months a ed patent term adjustment. See 37 CFR 1.704(b).	AILING DATE OF THE of 37 CFR 1.136(a). In no ever nunication. atutory period will apply and will will, by statute, cause the applie	S COMMUNICATION nt, however, may a reply be time expire SIX (6) MONTHS from cation to become ABANDONE	N. nely filed the mailing date of this comr D (35 U.S.C. § 133).						
Status										
1)⊠	Responsive to communication(s) file	d on <u>25 January 2007</u>	,							
2a) <u></u> ☐	This action is FINAL .	2b)⊠ This action is no	on-final.							
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is									
	closed in accordance with the practi	ce under <i>Ex parte Qua</i>	ayle, 1935 C.D. 11, 45	53 O.G. 213.						
Dispositi	ion of Claims									
4) ⊠ Claim(s) 1,2 and 4-14 is/are pending in the application. 4a) Of the above claim(s) 7-11 is/are withdrawn from consideration. 5) □ Claim(s) is/are allowed. 6) ☒ Claim(s) 1,2,4-6 and 12-14 is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and/or election requirement.										
Applicati	ion Papers									
10)	The specification is objected to by the The drawing(s) filed on is/are: Applicant may not request that any objected to the country of t	a) accepted or b) ction to the drawing(s) be the correction is require	e held in abeyance. Seed if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR						
Priority (ınder 35 U.S.C. § 119									
12) <u></u> a)	Acknowledgment is made of a claim All b) Some * c) None of: 1. Certified copies of the priority 2. Certified copies of the priority 3. Copies of the certified copies application from the Internation	documents have beer documents have beer of the priority docume anal Bureau (PCT Rule	n received. n received in Applicati nts have been receive e 17.2(a)).	ion No ed in this National St	tage					
2) Notice 3) Information	nt(s) Dee of References Cited (PTO-892) Dee of Draftsperson's Patent Drawing Review (Function Disclosure Statement(s) (PTO/SB/08) Der No(s)/Mail Date Trademark Office	PTO-948)	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F 6) Other:	ate						

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Art Unit: 3752

Response to Amendment

- 1. Applicant's amendment and arguments of January 25, 2007 are acknowledged and have been entered.
- 2. Applicant's arguments have been considered but are moot in view of the new ground(s) of rejection.
- 3. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claim Rejections - 35 USC § 103

4. Claims 1, 2, 4-6, and 12-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Volz in view of MacDonald et al.

Volz discloses a reticulated polyurethane foam which is to be installed in a fuel tank to suppress an explosion in the tank, the foam comprising a volume electrical resistivity of less than 10E12 ohm-cm at 70 degrees F. Volz also discloses using ammonium salt to form the foam as recited in claim 12. Volz does not disclose a density less than 1.0 pounds per cubic feet, however, the patent to MacDonald et al. teaches a polyurethane foam which suppresses an explosion in which the foam has a density a density less than 1.0 pounds per cubic foot (column 2, lines 14-15). It would have been obvious to one having ordinary skill in the art at the time the invention was made to have modified the device of Volz by providing the foam with a density of less than 1.0 pounds per cubic feet as taught by MacDonald et al. since MacDonald et al. teaches that such densities are known in forming polyurethane foams for suppressing an explosion. The device of Volz and MacDonald et al. can be installed in a fuel tank and thus carry out

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the method as recited. The amount of coverage as recited in claim 5 would have been a matter of design choice as would have been the amounts of the agents as recited in claim 14. Volz also discloses using quarternary ammonium compounds as recited in claim 12 and metallic salts as recited in claim 13. The amounts as recited in claim 14 would have been matters of design choice since Volz has already disclosed the ingredients.

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Davis D. Hwu whose telephone number is 571-272-4904. The examiner can normally be reached on 8:00-4:30. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kevin Shaver can be reached on 571-272-4720. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

DAVIS HWU PRIMARY EYAMINER